Journal of Experimental Psychology: Human Learning and Memory

LYLE E. BOURNE, JR., Editor
University of Colorado

JUDITH GOGGIN, Associate Editor
University of Texas, El Paso

Volume 4, 1978

Consulting Editors

Moshe Anisfeld, *Yeshiva University*
William P. Banks, *Pomona College*
Isabel M. Birnbaum, *University of California, Irvine*
Sam C. Brown, *University of Missouri*
Roger Dominowski, *University of Illinois at Chicago Circle*
James R. Erickson, *University of Texas at Arlington*
James V. Hinrichs, *University of Iowa*
Michael S. Humphreys, *Northwestern University*
Marcia Johnson, *State University of New York at Stony Brook*
Peder Johnson, *University of New Mexico*
Roberta L. Klatzky, *University of California, San Barbara*
Thomas K. Landauer, *Bell Laboratories, Murray Hill, New Jersey*
Leah Light, *Pitzer College*
Robert S. Lockhart, *University of Toronto, Toronto, Canada*
Elizabeth Loftus, *University of Washington*
Richard Millward, *Brown University*
Merrill E. Noble, *Pennsylvania State University*
Donald A. Norman, *University of California, San Diego*
Mary C. Potter, *Massachuetts Institute of Technology*
William F. Prokasy, *University of Utah*
Stephen K. Reed, *Case Western Reserve University*
Arthur I. Schulman, *University of Virgina*
Harvey G. Shulman, *Ohio State University*
Kirk H. Smith, *Bowling Green State University*
John E. Taplin, *University of New South Wales, Kensington, New South Wales*
Barbara Tversky, *Hebrew University of Jerusalem, Jerusalem, Israel*
James Voss, *University of Pittsburgh*
Eugene Winograd, *Emory University*
Gordon Wood, *Michigan State University*
Michael D. Zeiler, *Emory University*

Published bimonthly by the
American Psychological Association, Inc.
1200 Seventeenth Street N.W., Washington, D.C. 20036
Copyright © 1978 by the American Psychological Association, Inc.

Key to Pagination

Issue	*Month*	*Pages*	*Issue*	*Month*	*Pages*
1	January	1–110	4	July	275–405
2	March	111–186	5	September	407–549
3	May	187–274	6	November	551–692

APA Journal Staff

Anita DeVivo
Executive Editor

Barbara R. Richman
Production Supervisor

Ann I. Mahoney
Manager, Journal Production

Robert J. Hayward
Advertising Representative

Eric R. Wassyng
Production Editor

Juanita Brodie
Subscription Manager

Author Index to Volume 4

ARTICLES

Adesso, Vincent J. *See* Miller, Marilyn E.
Aiken, Leona S., Lono, Marianne M., and Moore, Douglas J. Asymmetric transfer of prototype information between vision and audition 66
Allen, Gary L., Siegel, Alexander W., and Rosinski, Richard R. The role of perceptual context in structuring spatial knowledge 617
Ashcraft, Mark H., and Battaglia, John. Cognitive arithmetic: Evidence for retrieval and decision processes in mental addition 527

Bartling, Carl A. *See* Thompson, Charles P.
Bartz, Wayne H. *See* Jacoby, Larry L.
Bates, Elizabeth, Masling, Mark, and Kintsch, Walter. Recognition memory for aspects of dialogue 187
Battaglia, John. *See* Ashcraft, Mark H.
Bell, John A. *See* Ghatala, Elizabeth S.
Bjork, Robert A., and Geiselman, Ralph E. Constituent processes in the differentiation of items in memory 347
Blackwood, H. Daniel. *See* Leeming, Frank C.
Block, Richard A., and Reed, Marjorie A. Remembered duration: Evidence for a contextual-change hypothesis 656
Bourne, L. E., Jr. *See* Kellogg, R. T.
Britton, Bruce K., Westbrook, Robert D., and Holdredge, Timothy S. Reading and cognitive capacity usage: Effects of text difficulty 582
Broadbent, Donald E., Cooper, P. J., and Broadbent, M. H. P. A comparison of hierarchical and matrix retrieval schemes in recall 486
Broadbent, M. H. P. *See* Broadbent, Donald E.
Burns, Helen J. *See* Loftus, Elizabeth F.

Cermak, Laird S., and Reale, Lynn. Depth of processing and retention of words by alcoholic Korsakoff patients 165
Cody, William J., and Grant, David A. Biasing the development of response topography with nonspecific positive and negative evocative verbal stimuli 175
Combs, Barbara. *See* Lichtenstein, Sarah.
Conti, Gina. *See* Herrmann, Douglas J.
Cooper, P. J. *See* Broadbent, Donald E.

Dalezman, Ruth E. *See* Kausler, Donald H.
Diewert, Gordon L., and Roy, Eric A. Coding strategy for memory of movement extent information 666

Erdelyi, Matthew Hugh, and Kleinbard, Jeff. Has Ebbinghaus decayed with time?: The growth of recall (hypermnesia) over days 275
Evans, James D. *See* Jacoby, Larry L.

Fagnani, Carol A. *See* Proctor, Robert W.
Fischhoff, Baruch. *See* Lichtenstein, Sarah.
Fisher, Dennis F., Monty, Richard A., and Perlmuter, Lawrence C. Visual recognition memory for binary pictures: Another look 158
Fleming, John P. *See* Miller, Marilyn E.
Flexser, Arthur J. Long-term recognition latencies under rehearsal-controlled conditions: Do list-length effects depend on active memory? 47
Frisina, Robert D. *See* Herrmann, Douglas J.

Gee, W. *See* Sweller, J.
Geiselman, Ralph E. *See* Bjork, Robert A.
Ghatala, Elizabeth S., Levin, Joel R., Bell, John A., Truman, Diane L., and Lodico, Marguerite G. The effect of semantic and nonsemantic factors on the integration of verbal units in recognition memory 647

Gino, Antonio. *See* Miller, Marilyn E.
Goldin, Sarah E. Memory for the ordinary: Typicality effects in chess memory 605
Gorfein, David S., and Viviani, Jeanne M. The nature of transfer in free recall 222
Graesser, Arthur, II, and Mandler, George. Limited processing capacity constrains the storage of unrelated sets of words and retrieval from natural categories 86
Graf, Peter. *See* Slamecka, Norman J.
Grant, David A. *See* Cody, William J.
Griffin, Mary. *See* Hasher, Lynn.
Gruenewald, Paul. *See* King, Michael C.

Hasher, Lynn, and Griffin, Mary. Reconstructive and reproductive processes in memory .. 318
Herrmann, Douglas J., Frisina, Robert D., and Conti, Gina. Categorization and familiarity in recognition involving a well-memorized list 428
Hintzman, Douglas L., and Stern, Leonard D. Contextual variability and memory for frequency 539
Holdredge, Timothy S. *See* Britton, Bruce K.
Homa, Donald. Abstraction of ill-defined form 407
Hunt, R. Reed, and Mitchell, David B. Specificity in nonsemantic orienting tasks and distinctive memory traces 121

Jacoby, Larry L., Bartz, Wayne H., and Evans, James D. A functional approach to levels of processing 331
Jamieson, Donald G. *See* Petrusic, William M.
Jones, Robert D. *See* Massaro, Dominic W.

Kausler, Donald H., Dalezman, Ruth E., and Yadrick, Robert M. Item identification following varying presentations of pairs on a heterogeneous multiple-item recognition learning task 37
Kellas, George. *See* Keller, Dennis.
Keller, Dennis, and Kellas, George. Typicality as a dimension of encoding 78
Kellogg, R. T., Robbins, D. W., and Bourne, L. E., Jr. Memory for intratrial events in feature identification 256
King, Michael C., Gruenewald, Paul, and Lockhead, Gregory R. Classifying related stimuli 417
Kintsch, Walter. *See* Bates, Elizabeth.
Klatzky, Roberta L. *See* Rafnel, Karen J.
Kleinbard, Jeff. *See* Erdelyi, Matthew Hugh.
Kroll, Neal E. A., and Parks, Theodore E. Interference with short-term visual memory produced by concurrent central processing 111

Lauerman, Richard. *See* Miller, Marilyn E.
Layman, Mark. *See* Lichtenstein, Sarah.
Leeming, Frank C., Blackwood, H. Daniel, and Robinson, Kenneth D. Instrumental learning in the presence of noncontingent reward 266
Levin, Joel R. *See* Ghatala, Elizabeth S.
Lichtenstein, Sarah, Slovic, Paul, Fischhoff, Baruch, Layman, Mark, and Combs, Barbara. Judged frequency of lethal events 551
Lipscomb, Catherine. *See* Massaro, Dominic W.
Lockhead, Gregory R. *See* King, Michael C.
Lodico, Marguerite G. *See* Ghatala, Elizabeth S.
Loftus, Elizabeth F., Miller, David G., and Burns, Helen J. Semantic integration of verbal information into a visual memory 19
Lono, Marianne M. *See* Aiken, Leona S.

Mandler. George. *See* Graesser, Arthur, II.
Masling, Mark. *See* Bates, Elizabeth.
Massaro, Dominic W., Jones, Robert D., Lipscomb, Catherine, and Scholz, Rick. Role of prior knowledge on naming and lexical decisions with good and poor stimulus information 498
Mayer, Richard E. Qualitatively different storage and processing strategies used for linear reasoning tasks due to meaningfulness of premises 5
Milech, Dan. *See* Willis, M. Paul.
Miller, David G. *See* Loftus, Elizabeth F.

Miller, Marilyn E., Adesso, Vincent J., Fleming, John P., Gino, Antonio, and Lauerman, Richard. Effects of alcohol on the storage and retrieval processes of heavy social drinkers 246
Mitchell, David B. *See* Hunt, R. Reed.
Moeser, Shannon Dawn. Effect of questions on prose unitization 290
Monty, Richard A. *See* Fisher, Dennis F.
Moore, Douglas J. *See* Aiken, Leona S.

Nelson, Thomas O. Detecting small amounts of information in memory: Savings for non-recognized items 453
Nelson, Thomas O., and Vining, Susan K. Effect of semantic versus structural processing on long-term retention 198
Ozier, Marcia. Access to the memory trace through orthographic and categoric information 469

Parkinson, Stanley R. An alternative interpretation of the stimulus suffix effect 362
Parks, Theodore E. *See* Kroll, Neal E. A.
Perlmuter, Lawrence C. *See* Fisher, Dennis F.
Petrusic, William M., and Jamieson, Donald G. Differential interpolation effects in free recall 101
Postman, Leo. Picture–word differences in the acquisition and retention of paired associates 146
Proctor, Robert W. Attention and modality-specific interference in visual short-term memory 239
Proctor, Robert W., and Fagnani, Carol A. Effects of distractor-stimulus modality in the Brown–Peterson distractor task 676

Rafnel, Karen J., and Klatzky, Roberta L. Meaningful-interpretation effects on codes of nonsense pictures 631
Reale, Lynn. *See* Cermak, Laird S.
Reed, Marjorie A. *See* Block, Richard A.
Robbins, D. W. *See* Kellogg, R. T.
Robinson, Kenneth D. *See* Leeming, Frank C.
Rosinski, Richard R. *See* Allen, Gary L.
Roy, Eric A. Role of preselection in memory for movement extent 397
Roy, Eric A. *See* Diewert, Gordon L.
Runquist, Peggy A. *See* Runquist, Willard N.
Runquist, Willard N. Physical similarity and stimulus recognition: Interference could still be associative 32
Runquist, Willard N., and Runquist, Peggy A. Interference reduction with conceptually similar paired associates 370

Saddler, Charles D. *See* Wicker, Frank W.
Scholz, Rick. *See* Massaro, Dominic W.
Shanteau, James. When does a response error become a judgmental bias? Commentary on "Judged frequency of lethal events" 579
Shoben, Edward J., Wescourt, Keith T., and Smith, Edward E. Sentence verification, sentence recognition, and the semantic–episodic distinction 304
Siegel, Alexander W. *See* Allen, Gary L.
Slamecka, Norman J., and Graf, Peter. The generation effect: Delineation of a phenomenon 592
Slovic, Paul. *See* Lichtenstein, Sarah.
Smith, Edward E. *See* Shoben, Edward J.
Stanny, Claudia J. *See* Weaver, George E.
Stern, Leonard D. *See* Hintzman, Douglas L.
Stigler, Stephen M. Some forgotten work on memory 1
Sweller, J., and Gee, W. Einstellung, the sequence effect, and hypothesis theory 513

Thompson, Charles P., Wenger, Steven K., and Bartling, Carl A. How recall facilitates subsequent recall: A reappraisal 210
Thorelli, Irene M. *See* Wicker, Frank W.
Truman, Diane L. *See* Ghatala, Elizabeth S.

Vining, Susan K. *See* Nelson, Thomas O.
Viviani, Jeanne M. *See* Gorfein, David S.

Wallace, William P. Recognition failure of recallable words and recognizable words 441
Weaver, George E., and Stanny, Claudia J. Short-term retention of pictorial stimuli as assessed by a probe recognition technique 55
Wenger, Steven K. *See* Thompson, Charles P.
Westbrook, Robert D. *See* Britton, Bruce K.
Whitten, William B. II. Output interference and long-term serial position effects 685
Wicker, Frank W., Thorelli, Irene M., and Saddler, Charles D. Stimulus concreteness, response characteristics, and the recognition—recall method in paired-associate learning 136
Willis, M. Paul, and Milech, Dan. Probabilistic concept learning: A finite integer analysis 382
Wescourt, Keith T. *See* Shoben, Edward J.

Yadrick, Robert M. *See* Kausler, Donald H.

OTHER

Acknowledgement 274
Call for Volunteers 110, 120, 221, 303, 452, 646
Change in Submission Requirements 110
Notice on Author Alterations 591